



PATENT
Attorney Docket No. 0320-0020 (Hoov 120)

IN THE UNITED STATES PATENT AND TRADEMARK

In Re application of:
Michael D. Hooven
Serial No. 10/015,476
Filed: December 13, 2001
Group Art No.: 3739
Examiner: Rosiland S.
Rollins
For: TRANSMURAL ABLATION
DEVICE

Mail Stop RCE
Commissioner of Patents
P.O. Box 1450
Alexandria, VA 22313-1450

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Name: May I. Casimiro

Signature: *May I. Casimiro*

**SIXTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT AND
REQUEST FOR FURNISHING OF INITIALED COPIES OF CERTAIN PAGES OF
PREVIOUSLY SUBMITTED INFORMATION DISCLOSURE STATEMENTS**

Pursuant to 37 C.F.R. §1.97, Applicant hereby calls the Examiner's attention to documents, U.S. Patent No. 6,126,658 to Baker and U.S. Published Application, US2002/0183738 to Chee, listed on the attached form, which documents may be material to the examination of this application. Copies of these documents are enclosed herewith for the Examiner's consideration.

Applicant hereby further calls the Examiner's attention to the enclosed pages from previously submitted Information Disclosure Statements which have not yet been returned to applicant with the Examiner's initials. These enclosed pages

include 12 pages which were submitted on May 17, 2002, 1 page which was submitted on January 21, 2003, 1 page which was submitted on July 18, 2003, 1 page which was submitted on August 12, 2003 and 2 pages (out of 3 pages) which were submitted on December 10, 2003. Therefore, applicants are resubmitting the additional enclosed pages for the Examiner's attention. Copies of each of the references were previously submitted to the U.S. Patent Office in this application or were previously submitted in U.S. Patent Application Serial No. 10/032,378, filed October 26, 2001, or in U.S. Patent Application Serial No. 09/747,609, filed December 22, 2000, now issued Patent No. 6,546,935, which are relied upon for an earlier effective filing date of the present application under 35 U.S.C. 120. Accordingly, applicants have not resubmitted copies of the documents on the additional enclosed pages. However, if the Examiner requires additional copies, please contact applicant's undersigned attorney.

No inference should be drawn that any apparatus or method disclosed is equivalent to the subject invention. Also, the citation of the above-discussed documents is not to be construed as an assertion that more pertinent art could not possibly be in existence. Citation of any document herein is not to be construed as an admission that any subject matter disclosed in the document is necessarily within the inventive field of

endeavor, that any disclosure is necessarily prior in time to a particular date which may be relevant to the instant patent application, and/or that any disclosure is otherwise necessarily prior art with respect to the instant invention.

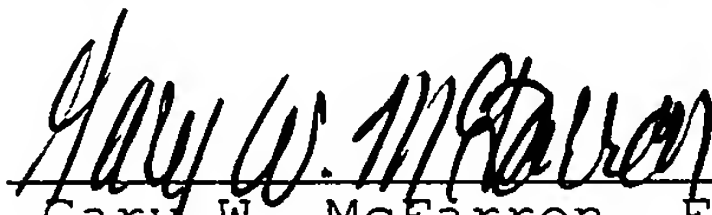
Applicant also respectfully reserves the right to later set forth how the instant invention is distinguished over the disclosure of any document or other art, including the disclosure of those documents discussed herein, that may be cited by the Examiner in rejecting a claim in the present patent application.

This information disclosure statement is being filed with a Request for Continued Examination along with the required RCE fee.

Respectfully submitted,

Date: April 30, 2004

By:



Gary W. McFarron, Esq.
Registration No. 27,357
Cook, Alex, McFarron, Manzo,
Cummings & Mehler, Ltd.
200 West Adams St., Ste. 2850
Chicago, IL 60606
Telephone: (312) 236-8500
Attorneys for Applicant

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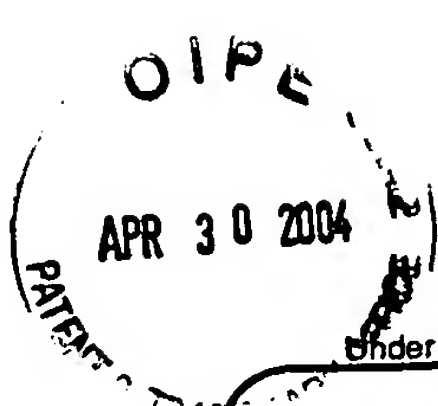
Application Number	10/015,476
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First Named Inventor	Michael D. Hooven
Art Unit	3739
Examiner Name	Rosiland S. Kearney
Attorney Docket Number	0320-0020

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Date	
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U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	1	US- 5,323,781	06-28-1994	Ideker et al.	
	2	US- 5,500,012	03-19-1996	Brucker et al.	
	3	US- 5,876,398	03-02-1999	Mulier et al.	
	4	US- 5,891,138	04-06-1999	Tu et al.	
	5	US- 5,897,554	04-27-1999	Chia et al.	
	6	US- 6,033,402	03-07-2000	Tu et al.	
	7	US- 6,064,902	05-16-2000	Haissaguerre et al.	
	8	US- 6,068,653	05-30-2000	LaFontaine	
	9	US- 6,113,595	09-05-2000	Muntermann	
	10	US- 6,117,101	09-12-2000	Diederich et al.	
	11	US- 6,123,703	09-26-2000	Tu et al.	
	12	US- 6,142,994	11-7-2000	Swanson et al.	
	13	US- 6,156,033	12-05-2000	Tu et al.	
	14	US- 6,193,713	02-27-2001	Geistert et al.	
	15	US- 6,292,678	09-18-2001	Hall et al.	
	16	US- 6,356,790	03-12-2002	Maguire et al.	
	17	US- 6,447,507	09-10-2002	Bednarek et al.	
	18	US- 6,474,340	11-05-2002	Vaska et al.	
	19	US- 6,488,678	12-03-2002	Sherman	

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Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				

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		Number-Kind Code ² (if known)			
	20	US- 6,506,189	01-14-2003	Rittman, III et al.	
	21	US- 6,575,969	05-10-2003	Rittman, III et al.	
	22	US- 6,610,055	08-26-2003	Swanson et al.	
	23	US- 6,632,222	10-14-2003	Edwards et al.	
	24	US- 6,334,860	01-01-2002	Dorn	
	25	US- 2002/0002329 A1	01-03-2002	Avitall	
	26	US- 2002/0019629 A1	02-14-2002	Dietz et al.	
	27	US- 2002/0115990 A1	08-22-2002	Acker	
	28	US- 2002/0128643 A1	09-12-2002	Simpson et al.	
	29	US- 2002/0082595 A1	06-27-2002	Langberg et al.	
	30	US- 2002/0099364 A1	07-25-2002	Lalonde	
	31	US- 2003/0009094 A1	01-09-2003	Segner et al.	
	32	US- 2003/0028187 A1	02-06-2003	Vaska et al.	
	33	US- 2003/0060822 A1	03-27-2003	Schaer et al.	
	34	US- 2003/0069572 A1	04-10-2003	Wellman et al.	
	35	US- 2003/0069577 A1	04-10-2003	Vaska et al.	
	36	US- 2003/0078570 A1	04-24-2003	Heiner et al.	
	37	US- 2003/0078574 A1	04-24-2003	Hall et al.	
	38	US- 2003/0093104 A1	05-15-2003	Bonner et al.	

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		Number-Kind Code ² (if known)			
	1	US- 5,549,636	08-27-1996	Li	
	2	US- 5,562,700	10-08-1996	Huitema et al.	
	3	US- 5,575,805	11-19-1996	Li	
	4	US- 5,855,590	01-05-1999	Malecki et al.	
	5	US- 6,264,087	07-04-2001	Whitman	
	6	US- 6,267,761	07-31-2001	Ryan	
	7	US- 6,273,887	08-14-2001	Yamauchi et al.	
	8	US- 6,296,640	10-02-2001	Wampler et al.	
	9	US- 6,391,024	05-21-2002	Sun et al.	
	10	US- 2001/0039419 A1	11-08-2001	Francischelli et al.	
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	11	WO 01/82812 A1	11-08-2001	Medtronic, Inc.		
	12	WO 01/82813 A2	11-08-2001	Medtronic, Inc.		
	13	WO 01/82813 A3	11-08-2001	Medtronic, Inc.		

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LIST OF PUBLICATIONS
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Michael D. HOOVENFiling Date
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U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	3,630,207	12/28/71	Kahn et al	128	350	08/08/69
	3,901,242	08/26/75	Storz	128	303	05/30/74
	4,043,342	08/23/77	Morrison, Jr.	128	303	02/26/76
	4,353,371	10/12/82	Cosman	128	303	09/24/80
	4,492,231	01/08/85	Auth	128	303	09/17/82
	4,590,934	05/27/86	Malis et al	128	303	05/18/83
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	4,732,149	03/22/88	Sutter	128	303	01/21/87
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	4,940,064	07/10/90	Desai	128	784	06/30/87
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	5,083,565	01/28/92	Parins	128	642	08/03/90
	5,085,657	02/04/92	Ben-Simhon	606	42	10/09/90
	5,087,243	02/11/92	Avitall	604	20	06/18/90
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	5,207,691	05/04/93	Nardella	606	142	11/01/91

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	EP 0 765 639	04/02/97	Ethicon Endo-Surgery Inc			09/27/96
	WO 98/17187	04/30/98	Heartport, Inc.			10/22/97
	WO 98/53750	12/03/98	Sports Link, Inc.			05/28/98

OTHER PUBLICATIONS

(Including Author, Title, Date, Pertinent Pages)

English abstract re Japanese Patent Application No. JP 1996000275351,
published April 28, 1997.

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	5,217,460	06/08/93	Knopfler	606	52	03/22/91
	5,231,995	08/03/93	Desai	128	784	09/30/92
	5,242,441	09/07/93	Avitall	606	41	02/24/92
	5,250,047	10/05/93	Rydell	606	48	10/21/91
	5,250,075	10/05/93	Badie	606	207	09/02/92
	5,263,493	11/23/93	Avitall	607	122	07/07/92
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	5,269,780	12/14/93	Roos	606	42	09/27/91
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	5,397,339	03/14/95	Desai	607	116	05/07/93
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	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	WO 99/02096	01/21/99	The Regents of the Univ. of California			07/08/98
	WO 99/04696	02/04/99	Cardiac CRC Nominees Pty., Ltd.			07/24/98
	WO 99/12487	03/18/99	Valleylab			09/04/98
OTHER PUBLICATIONS (Including Author, Title, Date, Pertinent Pages)						
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			<u>Applicant</u> Michael D. HOOVEN			
			<u>Filing Date</u> December 13, 2001		<u>Group</u> 3739	
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*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	5,429,131	07/04/95	Scheinman et al	128	642	02/25/94
	5,429,636	07/04/95	Shikhman et al	606	41	10/08/93
	5,438,302	08/01/95	Goble	331	167	07/11/94
	5,441,483	08/15/95	Avitall	604	95	11/08/93
	5,443,463	08/22/95	Stern et al	606	51	08/16/93
	5,445,638	08/29/95	Rydell et al	606	51	07/16/93
	5,449,355	09/12/95	Rhum et al	606	41	11/24/93
	5,451,223	09/19/95	Ben-Simhon	606	42	07/26/94
	5,454,370	10/03/95	Avitall	128	642	12/03/93
	5,465,716	11/14/95	Avitall	128	642	11/22/93
	5,472,441	12/05/95	Edwards et al	606	41	03/11/94
	5,478,309	12/26/95	Sweezer et al	604	4	05/27/94
	5,480,409	01/02/96	Riza	606	205	05/10/94
	5,487,385	01/30/96	Avitall	128	642	12/03/93
	5,496,312	03/05/96	Klicek	606	34	10/07/93
	5,500,011	03/19/96	Desai	607	116	11/04/94
	5,531,744	07/02/96	Nardella et al	606	48	12/01/94
	5,536,267	07/16/96	Edwards et al	606	41	08/12/94
	5,555,883	09/17/96	Avitall	128	642	01/30/95
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	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	WO 99/56486	11/04/99	Nokia Telecommunications OY			04/28/99
	WO 99/56644	11/11/99	Cardiac Pacemakers, Inc.			04/28/99
	WO 99/56648	11/11/99	Cardiac Pacemakers, Inc.			04/28/99
OTHER PUBLICATIONS (Including Author, Title, Date, Pertinent Pages)						
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*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	5,562,721	10/08/96	Marchlinski et al	607	99	05/10/95
	5,564,440	10/15/96	Swartz et al	128	898	11/03/94
	5,582,609	12/10/96	Swanson et al	606	39	08/08/94
	5,587,723	12/24/96	Otake et al	345	118	04/13/94
	5,595,183	01/21/97	Swanson et al	128	697	02/17/95
	5,599,350	02/04/97	Schulze et al	606	51	04/03/95
	5,611,813	03/18/97	Lichtman	606	205	04/28/95
	5,620,459	04/15/97	Lichtman	606	205	04/25/95
	5,642,736	07/01/97	Avitall	128	772	08/19/96
	5,655,219	08/05/97	Jusa et al	370	338	03/04/94
	5,672,174	09/30/97	Gough et al	606	41	01/16/96
	5,674,220	10/07/97	Fox et al	606	51	09/29/95
	5,683,384	11/04/97	Gough et al	606	41	08/15/95
	5,687,737	11/18/97	Branham et al	128	710	10/31/94
	5,688,270	11/18/97	Yates et al	606	51	01/18/95
	5,690,611	11/25/97	Swartz et al	604	53	11/14/94
	5,693,051	12/02/97	Schulze et al	606	51	04/12/95
	5,697,925	12/16/97	Taylor	606	34	06/09/95
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	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	WO 97/32525	09/12/97	Cardiac Pathways Corp.			11/04/96
	WO 99/44519	09/10/99	Atrionix, Inc.			03/02/99
	WO 99/59486	11/25/99	New England Medical Ctr.			05/20/99
	WO 00/21449	04/20/00	Levin, J.M.			10/09/98
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U.S. PATENT DOCUMENTS						
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	5,697,928	12/16/97	Walcott et al	606	41	09/23/96
	5,702,359	12/30/97	Hofmann et al	604	20	06/06/95
	5,702,390	12/30/97	Austin et al	606	48	03/12/96
	5,702,438	12/30/97	Avitall	607	122	06/08/95
	5,709,680	01/20/98	Yates et al	606	50	12/22/94
	5,718,703	02/17/98	Chin	606	49	03/14/95
	5,722,403	03/03/98	McGee et al	128	642	10/28/96
	5,725,512	03/10/98	Swartz et al	604	280	02/08/96
	5,728,143	03/17/98	Gough et al	607	101	02/14/96
	5,730,127	03/24/98	Avitall	128	642	01/29/96
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	5,733,280	03/31/98	Avitall	606	23	11/15/95
	5,735,847	04/07/98	Gough et al	606	45	12/19/95
	5,735,849	04/07/98	Baden et al	606	51	11/07/96
	5,740,808	04/21/98	Panescu et al	128	662	10/28/96
	5,755,664	05/26/98	Rubenstein	600	377	07/11/96
	5,755,717	05/26/98	Yates et al	606	51	01/16/96
	5,759,158	06/02/98	Swanson	600	508	08/19/97
	5,782,827	07/21/98	Gough et al	606	41	12/19/95
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	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	WO 00/27310	05/18/00	St. Jude Medical			11/05/99
	(A2 & A3)		Cardiovascular Group Inc			
	WO 00/27311	05/18/00	St. Jude Medical			11/05/99
			Cardiovascular Group Inc			
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	5,782,828	07/21/98	Chen et al	606	42	12/11/96
	5,785,706	07/28/98	Bednarek	606	41	11/18/96
	H 1745	08/04/98	Paraschac	606	51	09/29/95
	5,797,906	08/25/98	Rhum et al	606	48	04/28/95
	5,797,960	08/25/98	Stevens et al	606	213	04/20/95
	5,800,484	09/01/98	Gough et al	607	104	09/03/96
	5,807,393	09/15/98	Williamson, IV et al	606	32	05/08/95
	5,807,395	09/15/98	Mulier et al	606	41	04/22/97
	5,810,804	09/22/98	Gough et al	606	41	03/15/96
	5,810,805	09/22/98	Sutcu et al	606	45	02/09/96
	5,810,811	09/22/98	Yates et al	606	50	04/04/97
	5,817,091	10/06/98	Nardella et al	606	38	05/20/97
	5,823,955	10/20/98	Kuck et al	600	374	11/20/95
	5,823,956	10/20/98	Roth et al	600	374	05/07/96
	5,829,447	11/03/98	Stevens et al	128	898	05/07/96
	5,833,690	11/10/98	Yates et al	606	52	04/04/97
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	5,842,984	12/01/98	Avitall	600	374	11/12/97
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	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	WO 00/27312	05/18/00	St. Jude Medical			11/05/99
	WO 00/27313	05/18/00	Cardiovascular Group Inc St. Jude Medical			11/05/99
	WO 00/42931	07/27/00	Cardiovascular Group Inc Cryocath Technologies			01/25/00
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	5,843,075	12/01/98	Taylor	606	34	02/06/97
	5,843,122	12/01/98	Riza	606	207	09/30/97
	5,846,238	12/08/98	Jackson et al	606	41	04/08/96
	5,849,011	12/15/98	Jones et al	606	47	06/18/96
	5,849,020	12/15/98	Long et al	606	167	06/30/97
	5,853,411	12/29/98	Whayne et al	606	41	04/08/96
	5,855,614	01/05/99	Stevens et al	623	11	05/07/96
	5,860,975	01/19/99	Goble et al	606	45	12/15/95
	5,863,290	01/26/99	Gough et al	606	41	12/19/95
	5,863,291	01/26/99	Schaer	606	41	04/08/96
	5,868,737	02/09/99	Taylor et al	606	34	05/06/97
	5,871,483	02/16/99	Jackson et al	606	41	04/08/96
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	5,876,400	03/02/99	Songer	606	45	01/13/97
	5,876,401	03/02/99	Schulze et al	606	51	04/14/97
	5,891,135	04/06/99	Jackson et al	606	41	04/08/96
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	5,893,863	04/13/99	Yoon	606	170	05/01/97
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	WO 00/42932	07/27/00	Cryocath Technologies			01/25/99
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*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	5,902,289	05/11/99	Swartz et al	604	281	10/14/97
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	5,913,855	06/22/99	Gough et al	606	41	11/03/97
	5,921,924	07/13/99	Avitall	600	374	11/12/97
	5,925,038	07/20/99	Panescu et al	606	41	04/08/96
	5,925,042	07/20/99	Gough et al	606	41	11/03/97
	5,924,424	07/20/99	Stevens et al	128	898	10/14/97
	5,928,229	07/27/99	Gough et al	606	41	10/30/97
	5,931,836	08/03/99	Hatta et al	606	38	07/21/97
	5,935,126	08/10/99	Riza	606	51	09/30/97
	5,938,660	08/17/99	Swartz et al	606	45	06/27/97
	5,941,251	08/24/99	Panescu et al	128	899	11/08/96
	5,941,845	08/24/99	Tu et al	604	53	08/05/97
	5,944,718	08/31/99	Austin et al	606	48	07/31/97
	5,947,938	09/07/99	Swartz et al	604	280	01/10/97
	5,951,552	09/14/99	Long et al	606	46	06/30/97
	5,951,547	09/14/99	Gough et al	606	41	11/03/97
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	5,980,516	11/09/99	Mulier et al	606	41	03/09/98
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	5,997,533	12/07/99	Kuhns	606	41	01/30/98
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	6,010,531	01/04/00	Donlon et al	623	2	01/31/96
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	6,013,074	01/11/00	Taylor	606	34	12/15/97
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	6,017,358	01/25/00	Yoon et al	606	205	05/01/97
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Application Number	10/015,476
Filing Date	December 13, 2001
First Named Inventor	Michael D. Hooven
Group Art Unit	3739
Examiner Name	
Attorney Docket Number	HOOV 120

U.S. PATENT DOCUMENTS

Examiner Initials [*]	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
	1	1,127,948		R. H. Wappler	02/09/1915	
	2	5,009,661		Michelson	04/23/1991	
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		Office ³	Number ⁴	Kind Code ⁵ (if known)				
	19	EP	0 450 608	A1	Richard Wolf GmbH	10/09/1991		
	20	PCT	WO 93/25267	A1	Mir A. Imran	12/23/1993		
	21	PCT	WO 97/10764	A1	Valleylab, Inc.	03/27/1997		
	22	PCT	WO 92/05828	A1	Raychem Corporation	04/16/1992		
	23	DE	43 13 903	C1	Olympus Winter & Ibe GmbH	09/15/1994		

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Sheet

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of

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Complete if Known

Application Number	10/015,476
Filing Date	December 13, 2001
First Named Inventor	Michael D. Hooven
Group Art Unit	3739
Examiner Name	
Attorney Docket Number	HOOV 120

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	24	YOSHIO KOSAKAI, M.D., ET AL., "Cox Maze Procedure for Chronic Atrial Fibrillation Associated with Mitral Valve Disease," THE JOURNAL OF THORACIC AND CARDIOVASCULAR SURGERY, 1994; Vol. 108, No. 6, pp. 1049-1055.	
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Application Number 10/015,476

Filing Date December 13, 2001

First Named Inventor Michael D. Hooven

Group Art Unit 3739

Examiner Name

Attorney Docket Number HOOV 120

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

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